

What is claimed is:

1. A write once disc having a single record layer, wherein a lead-in area, a data area, and a lead-out area are sequentially positioned, the write once disc comprising:

5 a defect management area that is present in at least one of the lead-in area and the lead-out area;

a temporary defect management area that is present in at least one of the lead-in area and the lead-out area; and

10 a drive & disc information area that is present in at least one of the lead-in area and the lead-out area,

wherein temporary defect information and temporary defect management information are recorded in the temporary defect management area,

15 temporary defect information and temporary defect management information that are lastly recorded in the temporary defect management area during finalizing are recorded in the defect management area, and

location information of the lastly recorded temporary defect information and temporary defect management information is recorded in the drive & disc information area.

20 2. A write once disc having two record layers, wherein a lead-in area, a data area, and a lead-out area are sequentially positioned in a first record layer, and an outer area, a data area, and a lead-out area are sequentially positioned in a second record layer, the write once disc comprising:

25 a defect management area in at least one of the lead-in area, the lead-out area, and the outer area;

a temporary defect management area in at least one of the lead-in area, the lead-out area, and the outer area; and

a drive & disc information area that is present in at least one of the lead-in area, the lead-out area, and the outer area,

wherein temporary defect information and temporary defect management information are recorded in the temporary defect management area,

temporary defect information and temporary defect management information, which are lastly recorded in the temporary defect management area, are recorded in the defect management area, for disc finalization, and

location information of the temporary defect information and temporary defect management information is recorded in the drive & disc information area.

3. The write once disc of claim 1 or 2, wherein write protect information is further recorded in the drive & disc information area.

4. The write once disc of claim 1 or 2, wherein the location information recorded in the disc & drive information area comprises at least one of location information of temporary defect information and temporary defect management information that are lastly recorded in the temporary defect management area, and location information of the temporary defect information and the temporary defect management information that are recorded in the defect management area.

5. The write once disc of claim 1 or 2, comprising a plurality of each of the defect management area, the temporary defect management area, and the drive & disc information area.

6. The write once disc of claim 1 or 2, wherein a plurality of at least one of the defect management area, the temporary defect management area and the drive & disc information area are included in the same area.

7. The write once disc of claim 1 or 2, wherein a pointer pointing to location of the temporary defect information is recorded in the temporary defect management area.

8. The write once disc of claim 1 or 2, wherein temporary defect management information is recoded to correspond to the temporary defect information in the temporary defect management area, wherein the temporary defect information is recorded for every recording operation.

9. The write once disc of claim 1 or 2, wherein temporary defect information comprises state information regarding a defect, a pointer pointing to location of the defect, and a pointer pointing to location of a replacement for the defect.

10. A method of managing disc defects, comprising:

(a) recording information regarding a defect in data, which is recorded in a data area of a disc according to a first recording operation, as first temporary defect information several times in a temporary defect management area of the disc;

(b) recording management information for managing the first temporary defect information as first temporary defect management information in the temporary defect management area;

(c) repeating (a) through (c) at least once while increasing indexes given to the recording operation, the temporary defect information, and the temporary defect management information;

(d) recording lastly recorded temporary defect information and temporary defect management information in a defect management area of the disc for disc finalization; and

(e) recording location information of the lastly recorded temporary defect information and temporary defect management information in the disc & drive information area.

11. The method of claim 10, further comprising (f) recording write protect information in the disc & drive information area.

12. The method of claim 10, wherein during (e), at least one of temporary defect information and temporary defect management information that are lastly recorded in the temporary defect management area, and location information of the temporary defect information and the temporary defect management information that are recorded in the defect management area are recorded in the disc & drive information area.

13. The method of claim 10, wherein (a) further comprises:

(a1) recording data in predetermined units;
(a2) verifying the recorded data to detect a defective area of the disc in which a defect exists;

(a3) storing information that points to the defective area and information that points to a replacement area for the defective area as the first temporary defect information in a memory;

(a4) repeating (a1) through (a3) at least once; and
(a5) reading the information stored in the memory and recording the read information as the first temporary defect information several times in the temporary defect management area.

14. A recording and/or reproducing apparatus comprising:

a recording/reading unit that records data on or reads data from a disc; and
a controller that controls the recording/reading unit to record information regarding a defect in data, which is recorded in a data area of the disc, as temporary defect information in a temporary defect management area; record management information for managing the temporary defect information as temporary defect management information in the temporary defect management area, record lastly recorded temporary defect information and temporary defect management information in a defect management area of the disc for disc finalization, and record location

information of the lastly recorded temporary defect information and temporary defect management information in a disc & drive information area of the disc.

15. The recording and/or reproducing apparatus of claim 14, wherein the
5 controller controls the recording/reading unit to further record write protect information in the drive & disc information.

16. The recording apparatus of claim 14, wherein the controller controls the
recording/reading unit to record at least one of location information of temporary defect
10 information and temporary defect management information that are lastly recorded in the temporary defect management area, and location information of the temporary defect information and the temporary defect management information that are recorded in the defect management area.